

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2003

Application or Docket Number

10808208

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	17	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	17 minus 20 =	0
INDEPENDENT CLAIMS	2 minus 3 =	0
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	42605	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	17	Minus	** 20 = -
Independent	7	Minus	*** 3 = 4
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
BASIC FEE	385.00		BASIC FEE	770.00
X\$ 9=			X\$18=	
X43=			X86=	
+145=			+290=	
TOTAL			TOTAL	770.00

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X43=			X86=	800
+145=			+290=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus	** =
Independent	*	Minus	*** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X43=			X86=	
+145=			+290=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus	** =
Independent	*	Minus	*** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=			X\$18=	
X43=			X86=	
+145=			+290=	
TOTAL ADDIT. FEE			TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

APR 26 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Satoshi Hiranuma, *et al.*
Serial No.: 10/808,208
Filed: 24 March 2004
Title: EXHAUST GAS PURIFYING SYSTEM AND
EXHAUST GAS PURIFYING METHOD
Group Art Unit: 3748
Examiner: D. Tran
Attorney Docket No.: SANA:006

Certificate of Filing By Facsimile

I hereby certify that this paper is being transmitted via facsimile to the United States Patent & Trademark Office, Technology Center 3700, at telephone number 703-872-8308, on:

Date: 26 April 2005

By:

Lyle Kimms

COMMISSIONER FOR PATENTS
P.O. Box 1450
ALEXANDRIA, VA 22313-1450

AMENDMENT & REQUEST FOR RECONSIDERATION
WITH CLAIM FEE TRANSMITTAL

Sir:

In reply to the Office Action dated 27 January 2005, this application has been amended as indicated below. This reply is timely, but requires claim fees.

The present Amendment introduces 4 independent claims (in excess of 3) that require a fee of \$800. The Commissioner is authorized to charge \$800 (or any additional fees required to maintain the pendency of this application) to Deposit Account No. 18-2056.

SN. 10/808,208

ATTORNEY DOCKET NO. SANA:006

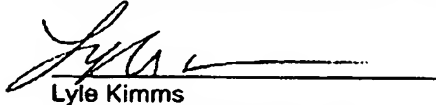
oxidation catalyst outlet temperature is at or greater than the predetermined value. In other words, less fuel is added when the oxidation catalyst outlet temperature is at or greater than a predetermined value.

Tonetti does the opposite of what is set forth in independent claims 1 and 14. Specifically, Tonetti discloses a direct injection controller that includes injecting fuel during POST ignition to generate 600°C at the particulate filter inlet. In this regard, Tonetti discloses proportionally varying the amount (0-100%) of fuel injected into the POST injection according to the temperature when the exhaust gas temperature at the outlet of the catalyst (or inlet of the filter) is 200 to 400°C, while maintaining the 100% fuel delivery when the exhaust gas temperature at the same location is over 400°C. See column 10, lines 40-46. In contrast, the claimed invention calls applying a greater fuel amount when the oxidation catalyst outlet temperature is lower than a predetermined value or applying a lesser fuel amount when the oxidation catalyst outlet temperature is at or greater than the predetermined value. Since Tonetti introduces less fuel when the temperature is below 400°C than at 400°C or greater, Tonetti teaches the opposite of what claims 1 and 14 call for. Accordingly, applicants submit that Tonetti would not have anticipated or taught claims 1 and 14.

Applicants submit that claims 1-17 patentably distinguish over the applied reference and are in condition for allowance. Should the examiner have any issues concerning this reply or any other outstanding issues remaining in this application, applicants urge the examiner to contact the undersigned to expedite prosecution.

Respectfully submitted,

ROSSI, KIMMS & McDOWELL LLP


Lyle Kimms

Reg. No. 34,079 (Rule 34)

P.O. BOX 826
Ashburn, VA 20146-0826
703-726-6020 (Phone)
703-726-6024 (fax)

26 April 2005
Date